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CLAIMS

WHAT IS CLAIMED IS:

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A method for steganographically combining data, comprising the steps of:

- acquiring first data via a data source;
- acquiring from the data source meta-data associated with the acquired first data; 3
- 4 and
- combining the acquired first data and the acquired meta-data into steganographic 5
- data, wherein a difference between the steganographic data and the 6
- 7 acquired first data is imperceptible.
- 2. The method according to claim 1, further comprising the step of: 1 2 storing the steganographic data.
- 3. The method according to claim 2 wherein the steganographic data is stored in memory coupled with the data source. 2
- 4. The method according to claim 2, wherein the steganographic data is stored at a 1 location remote from the site where the first data and meta-data are acquired. 2
- 5. The method according to claim 1, further comprising the step of: 1
- 2 transmitting the steganographic data to the remote location.
- 6. The method according to claim 1, wherein the step of comblying produces one or 1 2 more steganographic data combinations.

1	The method according to claim 6, further comprising the step of:
2	evaluating each of the one or more steganographic data combinations to
3	determine the one combination that most closely matches the acquired
4	first data.
1	8. The method according to claim 7, further comprising the conditional step of:
2	if all of the one or more steganographic data combinations perceptibly differ from
3	the acquired data, then repeating the step of combining.
1	9. The method according to claim 1, whereby the step of acquiring meta-data is
2	substantially completed before acquiring another first data.
1	10. The method according to claim 1, wherein at least a portion of the acquired meta-
2	data is related to information received from a user.
1	11. The method according to claim 1, wherein:
2	the first data comprises an electro-optical image produced by a component of a
3	digital camera.
1	12. The method according to claim 11, wherein:
2	the meta-data relates to one or more of identification of the acquired image,
3	parameter settings of the digital camera, the environment in which the
4	image is acquired, and a spatial description of the camera.

13. The method according to claim 1, further comprising the step of:

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2	pre-processing the meta-data by hashing the meta-data, encrypting the meta-data,
3	or encrypting the hashed meta-data.
1	14. The method according to claim 1, wherein the first data and the meta-data are
2	acquired via the data source at approximately the same time.
1	15. A device for generating steganographic data, comprising:
2	a first suite of sensors configured to acquire data;
3	a second suite of sensors configured to acquire meta-data, wherein the meta-data
4	is associated with the acquired data;
5	a steganographic engine configured to combine the acquired data and the acquired
6	meta-data to form steganographic data, wherein the steganographic data
7	differs imperceptibly from the acquired data.
1	16. The device according to claim 15, further comprising:
2	a memory configured to store the steganographic data.
1	17. The device according to claim 15, wherein the steganographic data comprises
2	one or more different steganographic data combinations obtained using different
3	combination algorithms.
1	18. The device according to claim 17, further comprising:
2	a figure-of-merit tester configured to determine one of the one or more
3	steganographic data combinations that differs the least from the acquired
4	data.

1	19. The device according to claim 15, wherein the second suite of sensors further
2	comprise:
3	a user interface configured to receive information from a user of the device.
1	20. The device according to claim 19, wherein the user interface further comprises:
2	one or more different kinds of input devices configured to interact with the user
3	interface.
1	21. The device according to claim 15, further comprising:
2	a communications interface configured to transmit the steganographic data to a
3	location remote from the device.
1	22. The device according to claim 15, wherein the second suite of sensors is
2	controlled to complete acquiring the meta-data before the first suite of sensors
3	acquires other data.
1	23. The device according to claim 15, wherein the meta-data comprises hashed and
2	encrypted meta-data portions.
1	24. A digital camera for steganographically combining meta-data, comprising:
2	a image plane configured to acquire an electro-optical image;
3	a suite of sensors configured to acquire meta-data, said meta-data is associated
4	with the electro-optical image;
5	a steganographic engine configured to combine the electro-optical image and the
6	meta-data to form steganographic data, said steganographic data differing
7	impercentially from the electro-ontical image

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1	25. The digital camera according to claim 24, further comprising:
2	memory configured to store the steganographic data.
1	26. The digital camera according to claim 24, wherein the steganographic data
2	comprises one or more different steganographic data combinations obtained
3	using different combination algorithms.
1	27. The digital camera according to claim 26, further comprising:
2	a figure-of-merit tester configured to determine one of the one or more
3	steganographic data combinations that differs the least from the electro
4	optical image.
1	28. The digital camera according to claim 24, further comprising:
2	a display area configured to display information related to the meta-data.
1	29. The digital camera according to claim 24, further comprising:
2	a display area configured to display information related to the steganographic
3	data.
1	30. The digital camera according to claim 24, wherein the suite of sensors is
2	configured to acquire meta-data related to one or more of camera angle,
3	geographical location, environmental conditions, date and time, image subject
4	identification and image parameter settings.
1	31. The digital camera according to claim 24, wherein the meta-data comprises

hashed and encrypted meta-data portions.

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